

Supplemental Material

Supplemental Table 1. Application of the risk score to a random sample of 3,000 patients of COMMANDER-HF

| Risk score in random sample of 3,000 patients | Events | Event-rate (per 100py) | HR (95%CI) |
|--|---------------|-------------------------------|-------------------|
| Tertile 1: -2 to 4 points (n =1032) | 20 (1.9%) | 1.0 (0.6-1.5) | Ref. |
| Tertile 2: 5 to 6 points (n =1052) | 36 (3.4%) | 1.8 (1.3-2.4) | 1.83 (1.06-3.15) |
| Tertile 3: 7 to 11 points (n =912) | 94 (10.3%) | 6.0 (4.9-7.4) | 6.21 (3.83-10.1) |

Supplemental Table 2. Effect of rivaroxaban on the study outcomes by tertiles of AF risk score.

| End-point by tertiles of risk for new AF | HR (95%CI) | Interaction P |
|---|-------------------|----------------------|
| MI, Stroke or ACM | | |
| Tertile 1 | 0.88 (0.72-1.07) | |
| Tertile 2 | 0.93 (0.77-1.11) | 0.41 |
| Tertile 3 | 1.05 (0.87-1.26) | |
| MI, Stroke or CVM | | |
| Tertile 1 | 0.86 (0.69-1.07) | |
| Tertile 2 | 0.87 (0.72-1.07) | 0.39 |
| Tertile 3 | 1.03 (0.85-1.25) | |
| MI | | |
| Tertile 1 | 0.76 (0.48-1.23) | |
| Tertile 2 | 0.9 (0.55-1.45) | 0.89 |
| Tertile 3 | 0.86 (0.55-1.34) | |
| Stroke | | |
| Tertile 1 | 0.82 (0.45-1.49) | |
| Tertile 2 | 0.57 (0.32-1.02) | 0.69 |
| Tertile 3 | 0.64 (0.32-1.27) | |
| ACM | | |
| Tertile 1 | 0.86 (0.69-1.07) | |
| Tertile 2 | 0.99 (0.82-1.21) | 0.22 |
| Tertile 3 | 1.12 (0.92-1.36) | |
| CVM | | |
| Tertile 1 | 0.84 (0.66-1.07) | |
| Tertile 2 | 0.94 (0.76-1.16) | 0.25 |
| Tertile 3 | 1.1 (0.89-1.36) | |
| Main bleeding outcome | | |
| Tertile 1 | 1.42 (0.4-5.02) | |
| Tertile 2 | 0.57 (0.22-1.45) | 0.53 |
| Tertile 3 | 0.78 (0.25-2.44) | |
| Major bleeding ISTH | | |
| Tertile 1 | 2.06 (1.04-4.08) | |
| Tertile 2 | 1.58 (0.93-2.69) | 0.74 |
| Tertile 3 | 1.44 (0.75-2.75) | |

Legend: ACM, all-cause mortality; CVM, cardiovascular mortality; MI, myocardial infarction.

Supplemental Table 3. Application of the AF risk model to the prediction of stroke.

| Variable | Haz. Ratio | P-value |
|-------------------------|-------------------|----------------|
| White race | 0.61 (0.40-0.92) | 0.001 |
| D-dimer <255 ng/mL | Ref. | |
| D-dimer 255-515 ng/mL | 1.76 (1.10-2.81) | 0.018 |
| D-dimer 516-15775 ng/mL | 2.01 (1.27-3.19) | 0.003 |

C-index =0.60.